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OM protein - protein search, using sw model

Run on: November 2, 2004, 12:59:33 ; Search time 39 Seconds
(without alignments)

406.410 Million cell updates/sec

Title: US-09-887-784-4-X64-X222

Perfect score: 1267

Sequence: 1 MVSKGEELFTGVVPILYED.....VLxGFTTAAGITLGMDLYK 239

Scoring table: BL05M62DX

Gapop 10.0 Gapext 0.5

Searched: 478139 seqs, 66318000 residues

Total number of hits satisfying chosen parameters: 478139

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing First 45 summaries

Database : Issued Patents AA:*

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2: /cgn2_6/ptodata/1/iaa/5B_COMB.pep:*

3: /cgn2_6/ptodata/1/iaa/6A_COMB.pep:*

4: /cgn2_6/ptodata/1/iaa/6B_COMB.pep:*

5: /cgn2_6/ptodata/1/iaa/9CTUS_COMB.pep:*

6: /cgn2_6/ptodata/1/iaa/backfiles.pep:*

RESULT 1
US-09-172-063-3
; Sequence 3, Application US/09172063
; Patent No. 6150176

; GENERAL INFORMATION:
; APPLICANT: Tsien, Roger Y.
; APPLICANT: Miyawaki, Atsushi
; APPLICANT: Llopis, Juan
; APPLICANT: Wachtel, Rebeka M.
; APPLICANT: Remington, S. James
; TITLE OF INVENTION: FLUORESCENT PROTEIN SENSORS FOR
; MEASURING THE pH OF A BIOLOGICAL SAMPLE
; FILE REFERENCE: 07257/071001
; CURRENT APPLICATION NUMBER: US/09/172,063
; CURRENT FILING DATE: 1998-10-13
; EARLIER APPLICATION NUMBER: 09/094,359
; NUMBER OF SEQ ID NOS: 38
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO: 3
; LENGTH: 239
; TYPE: PRT
; ORGANISM: Aequorea victoria
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (0) .. (0)
; OTHER INFORMATION: EGFP
US-09-172-063-3

Query Match 99 1%; Score 1256; DB 3;
Best Local Similarity 98 3%; Pred. No. 1.1e-123;
Matches 235; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

Query 1 MVSKEELFTGVVPILYEDGVNMGKFSVGEGBDATYGRKLTKPCTGKLPVWPWT 60
Db 1 MVSKEELFTGVVPILYEDGVNMGKFSVGEGBDATYGRKLTKPCTGKLPVWPWT 60

Query 61 LVTXLISYGOCFSRYPDHMKOHDFPKSAMPEGYVQERTIFFKDDGNYKTRAEVKFEGDTL 120
Db 61 LVTXLISYGOCFSRYPDHMKOHDFPKSAMPEGYVQERTIFFKDDGNYKTRAEVKFEGDTL 120

Query 61 LVTXLISYGOCFSRYPDHMKOHDFPKSAMPEGYVQERTIFFKDDGNYKTRAEVKFEGDTL 120
Db 61 LVTXLISYGOCFSRYPDHMKOHDFPKSAMPEGYVQERTIFFKDDGNYKTRAEVKFEGDTL 120

Query 121 VNRILKGIDPKEDGNILGHKLEYNNYIMADKQKNGIKUNFKIRHNIEDGSVQLA 180
Db 121 VNRILKGIDPKEDGNILGHKLEYNNYIMADKQKNGIKUNFKIRHNIEDGSVQLA 180

Query 121 VNRILKGIDPKEDGNILGHKLEYNNYIMADKQKNGIKUNFKIRHNIEDGSVQLA 180
Db 121 VNRILKGIDPKEDGNILGHKLEYNNYIMADKQKNGIKUNFKIRHNIEDGSVQLA 180

Query 181 DHYQNTPIGDGPVLLPDNHYLSTQALSKDPNERKDHMVLXGFTTAAGITLGMDLYK 239
Db 181 DHYQNTPIGDGPVLLPDNHYLSTQALSKDPNERKDHMVLXGFTTAAGITLGMDLYK 239

Result No.	Score	Query	Match	Length	DB ID	ID	Description
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2	1256	99.1	239	4	US-09-513-783A-46		Sequence 46, Appli
3	1256	99.1	239	4	US-09-316-919-4		Sequence 4, Appli
4	1256	99.1	239	4	US-09-502-641-3		Sequence 3, Appli
5	1256	99.1	239	4	US-09-520-922-2		Sequence 2, Appli
6	1256	99.1	239	4	US-09-316-920A-4		Sequence 4, Appli
7	1256	99.1	239	4	US-09-430-656-46		Sequence 46, Appli
8	1256	99.1	281	3	US-09-062-102-1		Sequence 1, Appli
9	1256	99.1	281	3	US-09-364-966-1		Sequence 1, Appli
10	1256	99.1	294	4	US-09-513-783A-2		Sequence 2, Appli
11	1256	99.1	294	4	US-09-510-656-2		Sequence 2, Appli
12	1256	99.1	323	3	US-09-172-063-21		Sequence 21, Appli
13	1256	99.1	323	4	US-09-430-656-46		Sequence 21, Appli
14	1256	99.1	364	3	US-09-085-305-6		Sequence 6, Appli
15	1256	99.1	379	4	US-09-417-197-129		Sequence 129, Appli
16	1256	99.1	434	4	US-09-800-170-48		Sequence 48, Appli
17	1256	99.1	442	4	US-09-417-197-127		Sequence 127, Appli
18	1256	99.1	459	4	US-09-513-783A-170		Sequence 170, Appli
19	1256	99.1	544	4	US-09-417-197-113		Sequence 113, Appli
20	1256	99.1	544	4	US-09-417-197-115		Sequence 115, Appli
21	1256	99.1	604	4	US-09-417-197-59		Sequence 59, Appli
22	1256	99.1	605	4	US-09-417-197-41		Sequence 41, Appli
23	1256	99.1	605	4	US-09-417-197-65		Sequence 65, Appli
24	1256	99.1	607	4	US-09-417-197-43		Sequence 47, Appli
25	1256	99.1	630	4	US-09-417-197-53		Sequence 63, Appli
26	1256	99.1	631	4	US-09-417-197-39		Sequence 39, Appli
27	1256	99.1	633	4	US-09-417-197-45		Sequence 45, Appli

RESULT 2
 US-09-513-781A-46
 Sequence 46, Application US/09513783A
 Patent No. 641659
 GENERAL INFORMATION:
 APPLICANT: Giuliano, Kenneth A.
 TITLE OF INVENTION: A System for Cell Based Screening
 FILE REFERENCE: 97-022-LI
 CURRENT APPLICATION NUMBER: US/09/513,783A
 NUMBER OF SEQ ID NOS: 180
 SOFTWARE: PatentIn Ver. 2.0
 SEQ ID NO 46
 LENGTH: 219
 TYPE: PRT
 ORGANISM: Artificial Sequence
 FEATURE:
 OTHER INFORMATION: Description of Artificial Sequence: EGFP
 US-09-513-781A-46

Query Match 99.1%; Score 1256; DB 4; Length 239;
 Best Local Similarity 98.3%; Pred. No. 1..1e-123; Indels 0; Gaps 0;
 Matches 235; Conservative 3; Mismatches 1;

Qy 1 MVSKGEBELFTGVVPLIVEDQDYNCHKFSVSGEGLDARYGKLTFLKFCITCTGKLAPVPPPT 60
 Db 1 MVSKGEBELFTGVVPLIVEDQDYNCHKFSVSGEGLDARYGKLTFLKFCITCTGKLAPVPPPT 60

Qy 61 LVTXLSYGVQCSRFYDPMQHDFFKSAFMEGVYQERTTFFKDDGNYKTRAEVKPEGDTL 120
 Db 61 LVTXLTYGVQCSRFYDPMQHDFFKSAFMEGVYQERTTFFKDDGNYKTRAEVKPEGDTL 120

Qy 121 VNRIELKGIDFKEGNLGHKLEYNNSHNVYIMADKQNGIKVNFKRHNIEDGSVOLA 180
 Db 121 VNRIELKGIDFKEGNLGHKLEYNNSHNVYIMADKQNGIKVNFKRHNIEDGSVOLA 180

Qy 181 DHYQONTPIGDGPVLLPDNHYLSTOSALSKDPNERKDHMLXGFVTAAGITLGMDLYK 239
 Db 181 DHYQONTPIGDGPVLLPDNHYLSTOSALSKDPNERKDHMLXGFVTAAGITLGMDLYK 239

RESULT 3
 US-09-316-919-4
 Sequence 4, Application US/09316919
 Patent No. 646154
 GENERAL INFORMATION:
 APPLICANT: Tsien, Roger V.
 APPLICANT: Bair, Geoffrey
 TITLE OF INVENTION: FLUORESCENT PROTEIN INDICATORS
 FILE REFERENCE: 07257/073001
 CURRENT APPLICATION NUMBER: US/09/316,919
 CURRENT FILING DATE: 1999-05-21
 NUMBER OF SEQ ID NOS: 63
 SOFTWARE: FastSEQ for Windows Version 4.0
 SEQ ID NO 4
 LENGTH: 239
 TYPE: PRT
 ORGANISM: Aequorea victoria
 US-09-316-919-4

Query Match 99.1%; Score 1256; DB 4; Length 239;
 Best Local Similarity 98.3%; Pred. No. 1..1e-123; Indels 0; Gaps 0;
 Matches 235; Conservative 3; Mismatches 1;

Qy 1 MVSKGEBELFTGVVPLIVEDQDYNCHKFSVSGEGLDARYGKLTFLKFCITCTGKLAPVPPPT 60
 Db 1 MVSKGEBELFTGVVPLIVEDQDYNCHKFSVSGEGLDARYGKLTFLKFCITCTGKLAPVPPPT 60

Qy 61 LVTXLSYGVQCSRFYDPMQHDFFKSAFMEGVYQERTTFFKDDGNYKTRAEVKPEGDTL 120
 Db 61 LVTXLTYGVQCSRFYDPMQHDFFKSAFMEGVYQERTTFFKDDGNYKTRAEVKPEGDTL 120

Qy 121 VNRIELKGIDFKEGNLGHKLEYNNSHNVYIMADKQNGIKVNFKRHNIEDGSVOLA 180
 Db 121 VNRIELKGIDFKEGNLGHKLEYNNSHNVYIMADKQNGIKVNFKRHNIEDGSVOLA 180

Qy 181 DHYQONTPIGDGPVLLPDNHYLSTOSALSKDPNERKDHMLXGFVTAAGITLGMDLYK 239
 Db 181 DHYQONTPIGDGPVLLPDNHYLSTOSALSKDPNERKDHMLXGFVTAAGITLGMDLYK 239

RESULT 4
 US-09-602-641-3
 Sequence 3, Application US/09602641
 Patent No. 6608189
 GENERAL INFORMATION:
 APPLICANT: Tsien, Roger V.
 APPLICANT: Miyawaki, Atsushi
 APPLICANT: Llopis, Juan
 APPLICANT: Wachter, Rebeka M.
 APPLICANT: Remington, S. James
 TITLE OF INVENTION: MEASURING THE PH OF A BIOLOGICAL SAMPLE
 FILE REFERENCE: 07257/071001
 CURRENT APPLICATION NUMBER: US/09/602,641
 CURRENT FILING DATE: 2000-06-22
 PRIOR APPLICATION NUMBER: 09/172,063
 PRIOR FILING DATE: 1998-10-13
 NUMBER OF SEQ ID NOS: 38
 SOFTWARE: FastSEQ for Windows Version 4.0
 SEQ ID NO 3
 LENGTH: 239
 TYPE: PRT
 ORGANISM: Aequorea victoria
 FEATURE:
 NAME/KEY: VARIANT
 LOCATION: (0)..(0)
 OTHER INFORMATION: EGFP
 US-09-602-641-3

Query Match 99.1%; Score 1256; DB 4; Length 239;
 Best Local Similarity 98.3%; Pred. No. 1..1e-123; Indels 0; Gaps 0;
 Matches 235; Conservative 3; Mismatches 1;

Qy 1 MVSKGEBELFTGVVPLIVEDQDYNCHKFSVSGEGLDARYGKLTFLKFCITCTGKLAPVPPPT 60
 Db 1 MVSKGEBELFTGVVPLIVEDQDYNCHKFSVSGEGLDARYGKLTFLKFCITCTGKLAPVPPPT 60

Qy 61 LVTXLSYGVQCSRFYDPMQHDFFKSAFMEGVYQERTTFFKDDGNYKTRAEVKPEGDTL 120
 Db 61 LVTXLTYGVQCSRFYDPMQHDFFKSAFMEGVYQERTTFFKDDGNYKTRAEVKPEGDTL 120

Qy 121 VNRIELKGIDFKEGNLGHKLEYNNSHNVYIMADKQNGIKVNFKRHNIEDGSVOLA 180
 Db 121 VNRIELKGIDFKEGNLGHKLEYNNSHNVYIMADKQNGIKVNFKRHNIEDGSVOLA 180

Qy 181 DHYQONTPIGDGPVLLPDNHYLSTOSALSKDPNERKDHMLXGFVTAAGITLGMDLYK 239
 Db 181 DHYQONTPIGDGPVLLPDNHYLSTOSALSKDPNERKDHMLXGFVTAAGITLGMDLYK 239

RESULT 5
 US-09-920-922-2
 Sequence 2, Application US/09920922
 Patent No. 6673610
 GENERAL INFORMATION:
 APPLICANT: Miyawaki, Atsushi
 APPLICANT: Sawano, Asako
 TITLE OF INVENTION: METHOD FOR MUTAGENESIS
 FILE REFERENCE: 11283-012001
 CURRENT APPLICATION NUMBER: US/09/920,922
 CURRENT FILING DATE: 2001-08-02
 PRIOR APPLICATION NUMBER: JP 2000-227166
 PRIOR FILING DATE: 2000-08-04
 NUMBER OF SEQ ID NOS: 9

Query Match 99.1%; Score 1256; DB 4; Length 239;
 Best Local Similarity 98.3%; Pred. No. 1..1e-123; Indels 0; Gaps 0;
 Matches 235; Conservative 3; Mismatches 1;

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Qy 61 LVTXLSYGVQCSRFYDPMQHDFFKSAFMEGVYQERTTFFKDDGNYKTRAEVKPEGDTL 120
 Db 61 LVTXLTYGVQCSRFYDPMQHDFFKSAFMEGVYQERTTFFKDDGNYKTRAEVKPEGDTL 120

Qy 121 VNRIELKGIDFKEGNLGHKLEYNNSHNVYIMADKQNGIKVNFKRHNIEDGSVOLA 180
 Db 121 VNRIELKGIDFKEGNLGHKLEYNNSHNVYIMADKQNGIKVNFKRHNIEDGSVOLA 180

Query Match 99.1%; Score 1256; DB 3; Length 281;
 Best Local Similarity 98.3%; Pred. No. 1.5e-123; Indels 0; Gaps 0;
 Matches 235; Conservative 3; Mismatches 1;

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 Db 1 MVSKEELTGVPIVLDGVDNGHKSVSGEGEQDATYKLTLPKICITGKLKPVWPWT 60

Qy 61 LVTXLSYGQCFSRYPDANKQHDFPKSAMPEGVQERTIFFKDDGNYKTRAEVKFEGDTL 120
 Qy 61 LVTXLSYGQCFSRYPDANKQHDFPKSAMPEGVQERTIFFKDDGNYKTRAEVKFEGDTL 120

Db 61 LVTXLSYGQCFSRYPDANKQHDFPKSAMPEGVQERTIFFKDDGNYKTRAEVKFEGDTL 120

Qy 121 VNRTELKGIDFKEGNLIGHKLEYNNSHNVYIMADKQNGTKVNFKIRHNLEDGSVOLA 180
 Db 121 VNRTELKGIDFKEGNLIGHKLEYNNSHNVYIMADKQNGTKVNFKIRHNLEDGSVOLA 180

Db 121 DHYQONTPIGDGPVLLPDNHYLSTSOSALSKDPNEKRDNMVLXGSFVTAAGITLGMDELYK 239
 Qy 181 DHYQONTPIGDGPVLLPDNHYLSTSOSALSKDPNEKRDNMVLXGSFVTAAGITLGMDELYK 239

Db 181 DHYQONTPIGDGPVLLPDNHYLSTSOSALSKDPNEKRDNMVLXGSFVTAAGITLGMDELYK 239

RESULT 9
 US-09-364-946-1
 ; Sequence 1, Application US/09364946
 ; Patent No. 6306600
 ; GENERAL INFORMATION:
 ; APPLICANT: Kain, Steve
 ; APPLICANT: Li, Xiangqiang
 ; TITLE OF INVENTION: Rapidly Degrading GFP-Fusion Proteins and Methods
 ; TITLE OF INVENTION: of USE
 ; FILE REFERENCE: D6100C1P/D2
 ; CURRENT APPLICATION NUMBER: US/09/364,946
 ; CURRENT FILING DATE: 1999-07-30
 ; EARLIER APPLICATION NUMBER: US 09/191,233
 ; EARLIER FILING DATE: 1998-11-13
 ; NUMBER OF SEQ ID NOS: 14
 ; SEQ ID NO 1
 ; LENGTH: 281
 ; TYPE: PRT
 ; ORGANISM: artificial sequence
 ; FEATURE: Sequence of the EGFP-MODC422-461 fusion protein.
 ; OTHER INFORMATION: Sequence of the EGFP-MODC422-461 fusion protein.
 ; Patent No. 6306600
 ; US-09-364-946-1

Query Match 99.1%; Score 1256; DB 3; Length 281;
 Best Local Similarity 98.3%; Pred. No. 1.5e-123; Indels 0; Gaps 0;
 Matches 235; Conservative 3; Mismatches 1;

Qy 1 MVSKEELTGVPIVLDGVDNGHKSVSGEGEQDATYKLTLPKICITGKLKPVWPWT 60
 Db 1 MVSKEELTGVPIVLDGVDNGHKSVSGEGEQDATYKLTLPKICITGKLKPVWPWT 60

Qy 61 LVTXLSYGQCFSRYPDANKQHDFPKSAMPEGVQERTIFFKDDGNYKTRAEVKFEGDTL 120
 Qy 61 LVTXLSYGQCFSRYPDANKQHDFPKSAMPEGVQERTIFFKDDGNYKTRAEVKFEGDTL 120

Db 61 LVTXLSYGQCFSRYPDANKQHDFPKSAMPEGVQERTIFFKDDGNYKTRAEVKFEGDTL 120

Db 61 LVTXLSYGQCFSRYPDANKQHDFPKSAMPEGVQERTIFFKDDGNYKTRAEVKFEGDTL 120

Qy 121 DHYQONTPIGDGPVLLPDNHYLSTSOSALSKDPNEKRDNMVLXGSFVTAAGITLGMDELYK 239
 Qy 121 DHYQONTPIGDGPVLLPDNHYLSTSOSALSKDPNEKRDNMVLXGSFVTAAGITLGMDELYK 239

Db 121 DHYQONTPIGDGPVLLPDNHYLSTSOSALSKDPNEKRDNMVLXGSFVTAAGITLGMDELYK 239
 Db 121 DHYQONTPIGDGPVLLPDNHYLSTSOSALSKDPNEKRDNMVLXGSFVTAAGITLGMDELYK 239

RESULT 10
 US-09-513-783A-2
 ; Sequence 2, Application US/09513783A
 ; Patent No. 6416959
 ; GENERAL INFORMATION:
 ; APPLICANT: Giuliano, Kenneth A.

Result No.	Score	Query Match	Length	DB ID	Description
1	1267	100.0	239	9	US-09-887-784-4
2	1267	100.0	239	15	US-10-296-553-4
3	1267	100.0	363	14	US-10-270-223-6
4	1267	100.0	893	14	US-10-257-309A-30
5	1267	100.0	1132	14	US-10-257-309A-32
6	1259	99.4	239	9	US-09-887-784-2
7	1259	99.4	239	15	US-10-296-553-2
8	1256	99.1	239	9	US-09-920-922-2
9	1256	99.1	239	9	US-09-999-745-4
10	1256	99.1	239	10	US-09-866-338-4
11	1256	99.1	239	10	US-09-797-496B-2
12	1256	99.1	239	10	US-09-794-308-4
13	1256	99.1	239	10	US-09-865-291-4

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result	Query	Match	Length	DB ID	Description
1	1267	100.0	239	9	US-09-887-784-4
2	1267	100.0	239	15	US-10-296-553-4
3	1267	100.0	363	14	US-10-270-223-6
4	1267	100.0	893	14	US-10-257-309A-30
5	1267	100.0	1132	14	US-10-257-309A-32
6	1259	99.4	239	9	US-09-887-784-2
7	1259	99.4	239	15	US-10-296-553-2
8	1256	99.1	239	9	US-09-920-922-2
9	1256	99.1	239	9	US-09-999-745-4
10	1256	99.1	239	10	US-09-866-338-4
11	1256	99.1	239	10	US-09-797-496B-2
12	1256	99.1	239	10	US-09-794-308-4
13	1256	99.1	239	10	US-09-865-291-4

Query Match 100.0%; Score 1267; DB 9; Length 239;

Best Local Similarity 99.2%; Pred. No. 2.7e-112; Mismatches 0; Indels 0; Gaps 0;

Matches 237; Conservative 99.2%;

TYPE: PRT

ORGANISM: Aequoria Victoria

US-09-887-784-4

RESULT 1
US-09-887-784-4
Sequence 4, Application US-09887784
; Parent No. US2-02177189A1
; GENERAL INFORMATION:
; APPLICANT: BJORN, Sara et al.
; TITLE OF INVENTION: NOVEL FLUORESCENT PROTEINS
; FILE REFERENCE: 3759-0115P
; CURRENT APPLICATION NUMBER: US-09-887-784
; CURRENT FILING DATE: 2001-06-19
; NUMBER OF SEQ ID NOS: 24
; SOFTWARE: Patentin version 3.0
; SEQ ID NO: 4
; LENGTH: 239
; TYPE: PRT
; ORGANISM: Aequoria Victoria

Query Match 100.0%; Score 1267; DB 9; Length 239;
Best Local Similarity 99.2%; Pred. No. 2.7e-112; Mismatches 0; Indels 0; Gaps 0;

1 MVSKGEELFTGVPVPLVLDGDVNHKFSVSGEGSDATYGKLTLFICITGKLPVWPWT 60
1 MVSKGEELFTGVPVPLVLDGDVNHKFSVSGEGSDATYGKLTLFICITGKLPVWPWT 60
61 LVTIXSYGVQCFSRPDHMKQHDFPKSAMPEGYVQERTIFFKDQGKXTRAEVKFGDTL 120
61 LVTIXSYGVQCFSRPDHMKQHDFPKSAMPEGYVQERTIFFKDQGKXTRAEVKFGDTL 120
121 VNRILKGIDPKEDGILGHKLEYNNSHNYIMADQKQNGKIKVNFKIRHNIEDGSVOLA 180
121 VNRILKGIDPKEDGILGHKLEYNNSHNYIMADQKQNGKIKVNFKIRHNIEDGSVOLA 180
181 DHYQNTPIGDGPVPLPDNHYLSTOSALSXDPNEKRDMYLXGFTTAAGITGMDLYK 239

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RESULT 2
US-10-296-953-4
; Sequence 4, Application US-10296953
; Publication No. US2004002995A1
; GENERAL INFORMATION:
; APPLICANT: BJORN, SARA P.
; APPLICANT: PAGLIARO, LEN
; APPLICANT: THASTRUP, OLE
; TITLE OF INVENTION: NOVEL FLUORESCENT PROTEINS
; FILE REFERENCE: PL0095
; CURRENT APPLICATION NUMBER: US/10/296,953
; CURRENT FILING DATE: 2002-11-26
; PRIORITY APPLICATION NUMBER: PA 2000 00953
; PRIORITY FILING DATE: 2000-06-19
; PRIORITY FILING DATE: 2000-06-20
; PRIORITY APPLICATION NUMBER: 60/212,681
; PRIORITY FILING DATE: 2000-06-20
; PRIORITY APPLICATION NUMBER: 60/290,170
; PRIORITY FILING DATE: 2001-05-10
; PRIORITY APPLICATION NUMBER: PA 2001 00739
; PRIORITY FILING DATE: 2001-05-10
; NUMBER OF SEQ ID NOS: 24
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 4
; LENGTH: 239
; TYPE: PRT
; ORGANISM: Aequorea victoria
; US-10-296-953-4

Query Match 100.0%; Score 1267; DB 15; Length 239
Best Local Similarity 99.2%; Pred. No. 2.7e-112; Indels 0; Gaps 0
Matches 237; Conservative 2; Mismatches 0; Indels 0; Gaps 0

Qy 1 MVSKOBELFLTGVDPDNLVLELDGVDNGHCKFVSGBGBGDAVYGRKTLKFLCTTGKLPVPPPT 60
Db 1 MVSKOBELFLTGVDPDNLVLELDGVDNGHCKFVSGBGBGDAVYGRKTLKFLCTTGKLPVPPPT 60
Qy 61 LVTTLISYGVQCSRYPDHMKQHDFFKSAMPEGGYQERTIFFKDDGNYKTRAEVKFEGDTL 120
Db 61 LVTTLISYGVQCSRYPDHMKQHDFFKSAMPEGGYQERTIFFKDDGNYKTRAEVKFEGDTL 120
Qy 121 VNRIELKGIDFKEGNILGHKLEYNNSHNVYIMADKQKNGKIVNFKRHNEDGSVOLA 110
Db 121 VNRIELKGIDFKEGNILGHKLEYNNSHNVYIMADKQKNGKIVNFKRHNEDGSVOLA 110
Qy 181 DHYQONTPIGDGPVLLPDNHYLSTQALSQDNPEKRDHMYLXGFVTAAGITLGMDBLYK 23
Db 181 DHYQONTPIGDGPVLLPDNHYLSTQALSQDNPEKRDHMYLXGFVTAAGITLGMDBLYK 23

RESULT 3
US-10-270-223-6
; Sequence 6, Application US/10270223
; Publication No. US20030143634A1
; GENERAL INFORMATION:
; APPLICANT: BioImage A/S
; TITLE OF INVENTION: AN IMPROVED METHOD TO DETECT INTERACTIONS BETWEEN CELLS
; TITLE OF INVENTION: IMPACT LIVING CELLS, AND TO EXTRACT QUANTITATIVE INFORMATION
; TITLE OF INVENTION: INTERACTIONS BY FLUORESCENCE DISTRIBUTION.
; FILE REFERENCE: 3759-0126P
; CURRENT APPLICATION NUMBER: US/10/270,223
; CURRENT FILING DATE: 2002-10-11
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 6
; LENGTH: 363
; TYPE: PRT
; ORGANISM: Aequorea Victoria and Human
; US-10-270-223-6

Qy 100.0%; Score 1267; DB 14; Length 363

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Best Local Similarity 99.2%; Pred. No. 4.BE-112; Mismatches 0; Indels 0; Gaps 0; Matches 237; Conservative 1; Misconservative 0; PDB ID 60

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Db 1 MVSKEBELTGFVGVPIVLELDGVNHCVKPSVSGEGGDATYKLTLPKFCITGKLKPVWPWT 60

Qy 61 LVTXLISYGVOCSRFYRDPDHMKHDFFPSKAMPEGYVQRTIIFPKDDGNYKTRAEVKFCGDTL 120
Db 61 LVTXLISYGVOCSRFYRDPDHMKHDFFPSKAMPEGYVQRTIIFPKDDGNYKTRAEVKFCGDTL 120

Qy 121 VNRIELKGIDPKEDNLIGKLEYNNNSHNYVIMADQKNGIKVNFKIRHNIEDGSYQLA 180
Db 121 VNRIELKGIDPKEDNLIGKLEYNNNSHNYVIMADQKNGIKVNFKIRHNIEDGSYQLA 180

Qy 181 DHYQONTPIGDGPVLLPDNHYLSTQALSKDOPNEKRDHMLXGFVTAAGITLGMDELYK 239
Db 181 DHYQONTPIGDGPVLLPDNHYLSTQALSKDOPNEKRDHMLXGFVTAAGITLGMDELYK 239

RESULT 4
US-10-257-909A-30
; Sequence 30, Application US/10257909A
; Publication No. US20030187056A1
; GENERAL INFORMATION:
; APPLICANT: Bernard R. TERRY et al.
; TITLE OF INVENTION: Live cell procedures to identify compounds modulating in vitro enzyme distribution of phosphodiesterase (PDE) enzymes
; TITLE OF INVENTION: Live cell procedures to identify compounds modulating in vitro enzyme distribution of phosphodiesterase (PDE) enzymes
; FILE REFERENCE: 3759-0125P
; CURRENT APPLICATION NUMBER: US/10/257,909A
; NUMBER OF SEQ ID NOS: 36
; SEQ ID NO: 30
; LENGTH: 893
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Fusion between *Aequorea victoria* and human
US-10-257-909A-30

Query Match 100.0%; Score 1267; DB 14; Length 893;
Best Local Similarity 99.2%; Pred. No. 1.7e 111; Mismatches 0; Indels 0; Gaps 0; Matches 237; Conservative 2; Misconservative 0; PDB ID 60

Qy 1 MVSKEBELTGFVGVPIVLELDGVNHCVKPSVSGEGGDATYKLTLPKFCITGKLKPVWPWT 60.
Db 655 MVSKEBELTGFVGVPIVLELDGVNHCVKPSVSGEGGDATYKLTLPKFCITGKLKPVWPWT 714

Qy 61 LVTXLISYGVOCSRFYRDPDHMKHDFFPSKAMPEGYVQRTIIFPKDDGNYKTRAEVKFCGDTL 120
Db 715 LVTXLISYGVOCSRFYRDPDHMKHDFFPSKAMPEGYVQRTIIFPKDDGNYKTRAEVKFCGDTL 774

Qy 121 VNRIELKGIDPKEDNLIGKLEYNNNSHNYVIMADQKNGIKVNFKIRHNIEDGSYQLA 180
Db 775 VNRIELKGIDPKEDNLIGKLEYNNNSHNYVIMADQKNGIKVNFKIRHNIEDGSYQLA 834

Qy 181 DHYQONTPIGDGPVLLPDNHYLSTQALSKDOPNEKRDHMLXGFVTAAGITLGMDELYK 239
Db 835 DHYQONTPIGDGPVLLPDNHYLSTQALSKDOPNEKRDHMLXGFVTAAGITLGMDELYK 893

RESULT 5
US-10-257-909A-32
; Sequence 32, Application US/10257909A
; Publication No. US20030187056A1
; GENERAL INFORMATION:
; APPLICANT: Bernard R. TERRY et al.
; TITLE OF INVENTION: Live cell procedures to identify compounds modulating in vitro enzyme distribution of phosphodiesterase (PDE) enzymes
; TITLE OF INVENTION: Live cell procedures to identify compounds modulating in vitro enzyme distribution of phosphodiesterase (PDE) enzymes
; FILE REFERENCE: 3759-0125P
; CURRENT APPLICATION NUMBER: US/10/257,909A
; CURRENT FILING DATE: 2002-10-17

Matches 235; Conservative 3; Mismatches 1; Indels 0; Gaps 0;
 Qy 1 MVSKGEBELFTGVPVILPDNVNGHKFVSSEGEQDATTGKLTAKPCTGTKLPPWPT 60
 Db 1 MVSKGEBELFTGVPVILPDNVNGHKFVSSEGEQDATTGKLTAKPCTGTKLPPWPT 60
 Qy 61 LVTXLSYGQCSRYDPDMKQDFKEDGNTLGHKLEYNTNSHNYIMADQKNGIKVNFKIRHNIEDSVQLA 120
 Db 61 LVTXLTYGQCSRYDPDMKQDFKEDGNTLGHKLEYNTNSHNYIMADQKNGIKVNFKIRHNIEDSVQLA 120
 Qy 121 VNRIELKGIDFKEGNLGHKLEYNTNSHNYIMADQKNGIKVNFKIRHNIEDSVQLA 180
 Db 121 VNRIELKGIDFKEGNLGHKLEYNTNSHNYIMADQKNGIKVNFKIRHNIEDSVQLA 180
 Qy 181 DHYQONTPIGDGPVLLPDNHYLSTQALSKDPNEDRHMVLXGFPTAAGITLGMDLYK 239
 Db 181 DHYQONTPIGDGPVLLPDNHYLSTQALSKDPNEDRHMVLXGFPTAAGITLGMDLYK 239

RESULT 12
 US-09-172-063-21
 Sequence 21, Application US/09172063
 GENERAL INFORMATION:
 Patent No. 6150176
 APPLICANT: Tsien, Roger Y.
 APPLICANT: Miyawaki, Atsushi
 APPLICANT: Llopis, Juan
 APPLICANT: Wachter, Rebekka M.
 APPLICANT: Remington, S. James S.
 TITLE OF INVENTION: FLUORESCENT PROTEIN SENSORS FOR MEASURING THE PH OF A BIOLOGICAL SAMPLE
 FILE REFERENCE: 07257/071001
 CURRENT APPLICATION NUMBER: US/09/172,063
 CURRENT FILING DATE: 1998-10-13
 EARLIER APPLICATION NUMBER: 09/094,359
 EARLIER FILING DATE: 1998-06-09
 NUMBER OF SEQ ID NOS: 38
 SOFTWARE: FastSEQ for Windows Version 4.0
 SEQ ID NO: 21
 LENGTH: 323
 TYPE: PRT
 ORGANISM: Aequorea victoria
 FEATURE: NAME/KEY: VARIANT
 LOCATION: (0) .. (0)
 OTHER INFORMATION: GT-EGFP
 US-09-172-641-21

Query Match 99.1%; Score 1256; DB 4; Length 323;
 Best Local Similarity 98.3%; Pred. No. 1.8e-123;
 Matches 235; Conservative 3; Mismatches 1; Indels 0; Gaps 0;
 Qy 1 MVSKGEBELFTGVPVILPDNVNGHKFVSSEGEQDATTGKLTAKPCTGTKLPPWPT 60
 Db 85 MVSKGEBELFTGVPVILPDNVNGHKFVSSEGEQDATTGKLTAKPCTGTKLPPWPT 144
 Qy 61 LVTXLSYGQCSRYDPDMKQDFKEDGNTLGHKLEYNTNSHNYIMADQKNGIKVNFKIRHNIEDSVQLA 120
 Db 145 LVTXLTYGQCSRYDPDMKQDFKEDGNTLGHKLEYNTNSHNYIMADQKNGIKVNFKIRHNIEDSVQLA 204
 Qy 121 VNRIELKGIDFKEGNLGHKLEYNTNSHNYIMADQKNGIKVNFKIRHNIEDSVQLA 180
 Db 205 VNRIELKGIDFKEGNLGHKLEYNTNSHNYIMADQKNGIKVNFKIRHNIEDSVQLA 264
 Qy 181 DHYQONTPIGDGPVLLPDNHYLSTQALSKDPNEDRHMVLXGFPTAAGITLGMDLYK 239
 Db 265 DHYQONTPIGDGPVLLPDNHYLSTQALSKDPNEDRHMVLXGFPTAAGITLGMDLYK 323

RESULT 14
 US-09-085-305-6
 Sequence 6, Application US/09085305
 Patent No. 6191259
 GENERAL INFORMATION:
 APPLICANT: Pollock, Allan H.
 APPLICANT: Lovett, David H.
 APPLICANT: Turck, Johanna
 TITLE OF INVENTION: Selective Induction of Apoptosis in Malignant Cancer Cells by Delivery of N-Terminal Interleukin-1 Alpha Pro-Piece Peptide
 TITLE OF INVENTION: Interleukin-1 Alpha Pro-Piece Peptide
 NUMBER OF SEQUENCES: 30
 CORRESPONDENCE ADDRESS:
 ADDRESS: Bozicovic & Reed, LLP
 STREET: 285 Hamilton Ave, Suite 200
 CITY: Palo Alto
 STATE: CA
 COUNTRY: USA
 ZIP: 94301
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Diskette
 COMPUTER: IBM Compatible
 OPERATING SYSTEM: DOS
 SOFTWARE: FastSEQ for Windows Version 2.0
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/085,305
 FILING DATE: 29-MAY-1998

RESULT 13
 US-09-602-641-21
 Sequence 21, Application US/09602641
 Patent No. 6608189

CLASSIFICATION:
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER:
 FILING/AGENT INFORMATION:
 NAME: Francis, Cyril L
 REFERENCE/DOCKET NUMBER: 36,513
 REFERENCE/DOCKET NUMBER: 6510/102USS1
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 650-327-4400
 TELIX:
 INFORMATION FOR SEQ ID NO: 6:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 364 amino acids
 TYPE: amino acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 US-09-085-305-6

Query Match 99.1%; Score 1256; DB 3; Length 364;
 Best Local Similarity 98.3%; Pred. No. 2.2e-123; Indels 0; Gaps 0;
 Matches 235; Conservative 3; Mismatches 1;

Qy 1 MVSKGBELFTGCVVPLIVELDGVNNGHKFVSSEGEGDAYGKLTGKLFCTCTGKLVPVWPT 60
 Db 126 MVSKGBELFTGCVVPLIVELDGVNNGHKFVSSEGEGDAYGKLTGKLFCTCTGKLVPVWPT 185

Qy 61 LVTXLSYGVQCSRYPDHMKQHDFPKSAMPEGYQERTIFFKDDGNYKTRAEVKFEGLDTL 120
 Db 186 LVTXLTYGVQCSRYPDHMKQHDFPKSAMPEGYQERTIFFKDDGNYKTRAEVKFEGLDTL 245

Qy 121 VNRIELKGIDFEDGNTLGHKLEYNNNSHNVYIMADKQNGIKYNFKIRHNIEGDSVOLA 180
 Db 246 VNRIELKGIDFEDGNTLGHKLEYNNNSHNVYIMADKQNGIKYNFKIRHNIEGDSVOLA 305

Qy 181 DHYQONTPIGDGPVLLPDNHYLSTQSLSKDNEKRDHMVLXGPFVTAAGTGLMDELK 239
 Db 306 DHYQONTPIGDGPVLLPDNHYLSTQSLSKDNEKRDHMVLLEFVTAAGTGLMDELK 364

RESULT 15
 US-09-417-197-129
 Sequence 129, Application US/0941797
 Patent No. 6519021
 GENERAL INFORMATION:
 APPLICANT: Ole THASTRUP, et al.
 TITLE OF INVENTION: A Method For Extracting Quantitative Information Relating To An I
 TITLE OF INVENTION: On A Cellular Response
 FILE REFERENCE: 3739-0110P
 CURRENT APPLICATION NUMBER: US/09/417,197
 CURRENT FILING DATE: 1999-10-07
 NUMBER OF SEQ ID NOS: 143
 SOFTWARE: PatentIn version 3.0
 SEQ ID NO: 129
 LENGTH: 379
 TYPE: PRT
 ORGANISM: Artificial Sequence
 FEATURE:
 OTHER INFORMATION: actin-binding-domain-EGFP fusion
 US-09-417-197-129

Query Match 99.1%; Score 1256; DB 4; Length 379;
 Best Local Similarity 98.3%; Pred. No. 2.3e-12; Indels 0; Gaps 0;
 Matches 235; Conservative 3; Mismatches 1;

Qy 1 MVSKGBELFTGCVVPLIVELDGVNNGHKFVSSEGEGDAYGKLTGKLFCTCTGKLVPVWPT 60
 Db 141 MVSKGBELFTGCVVPLIVELDGVNNGHKFVSSEGEGDAYGKLTGKLFCTCTGKLVPVWPT 200

Qy 61 LVTXLSYGVQCSRYPDHMKQHDFPKSAMPEGYQERTIFFKDDGNYKTRAEVKFEGLDTL 120
 Db 201 LVTXLTYGVQCSRYPDHMKQHDFPKSAMPEGYQERTIFFKDDGNYKTRAEVKFEGLDTL 260

NUMBER OF SEQ ID NOS: 36
 SOFTWARE: FastSEQ for Windows Version 3.0
 SEQ ID NO: 32
 LENGTH: 1132
 TYPE: PRT
 ORGANISM: Artificial Sequence
 FEATURE:
 OTHER INFORMATION: Fusion between Aequorea victoria and human
 US-10-257-909A-32

Query Match 100.0%; Score 1267; DB 14; Length 1132;
 Best Local Similarity 99.2%; Pred. No. 2,3e-11;
 Matches 237; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MYSKGEELFTGTVVPIVLDGVNGHKSVSSEGEGLDGTGKLPVPPWT 60
 Db 894 MYSKGEELFTGTVVPIVLDGVNGHKSVSSEGEGLDGTGKLPVPPWT 60
 Qy 61 LVTXLSTVQCSRPDMKQHDFKSFAMPEGVQERTIFFKDGNYKTRAEVKFEGDTL 120
 Qy 61 DHYQNTPIGDGVLLPDNHYLSTQSAKSKDNEKRDMVILGFVTAAGITLGMDLYK 239
 Db 954 LVTXLSTVQCSRPDMKQHDFKSFAMPEGVQERTIFFKDGNYKTRAEVKFEGDTL 1013
 Qy 121 VNRIELKGIDPKEDGNILGHKLEYNTNSHNYTMADKQNGIKVUNPKIRHNIEDGSVOLA 180
 Db 1014 VNRIELKGIDPKEDGNILGHKLEYNTNSHNYTMADKQNGIKVUNPKIRHNIEDGSVOLA 1073
 Qy 181 DHYQNTPIGDGVLLPDNHYLSTQSAKSKDNEKRDMVILGFVTAAGITLGMDLYK 239
 Db 1074 DHYQNTPIGDGVLLPDNHYLSTQSAKSKDNEKRDMVILGFVTAAGITLGMDLYK 1132

RESULT 6
 US-09-887-784-2
 ; Patent No. US02010217189A1
 ; GENERAL INFORMATION
 ; APPLICANT: BJORN, Sara et al
 ; TITLE OF INVENTION: NOVEL FLUORESCENT PROTEINS
 ; FILE REFERENCE: 3159-0115P
 ; CURRENT APPLICATION NUMBER: US/09/887,784
 ; NUMBER OF SEQ ID NOS: 24
 ; SOFTWARE: PatentIn version 3.0
 ; SEQ ID NO: 2
 ; LENGTH: 239
 ; ORGANISM: Aequorea victoria
 US-09-887-784-2

Query Match 100.0%; Score 1267; DB 14; Length 1132;
 Best Local Similarity 99.2%; Pred. No. 2,3e-11;
 Matches 237; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MYSKGEELFTGTVVPIVLDGVNGHKSVSSEGEGLDGTGKLPVPPWT 60
 Db 894 MYSKGEELFTGTVVPIVLDGVNGHKSVSSEGEGLDGTGKLPVPPWT 60
 Qy 61 LVTXLSTVQCSRPDMKQHDFKSFAMPEGVQERTIFFKDGNYKTRAEVKFEGDTL 120
 Qy 61 DHYQNTPIGDGVLLPDNHYLSTQSAKSKDNEKRDMVILGFVTAAGITLGMDLYK 239
 Db 954 LVTXLSTVQCSRPDMKQHDFKSFAMPEGVQERTIFFKDGNYKTRAEVKFEGDTL 1013
 Qy 121 VNRIELKGIDPKEDGNILGHKLEYNTNSHNYTMADKQNGIKVUNPKIRHNIEDGSVOLA 180
 Db 1014 VNRIELKGIDPKEDGNILGHKLEYNTNSHNYTMADKQNGIKVUNPKIRHNIEDGSVOLA 1073
 Qy 181 DHYQNTPIGDGVLLPDNHYLSTQSAKSKDNEKRDMVILGFVTAAGITLGMDLYK 239
 Db 1074 DHYQNTPIGDGVLLPDNHYLSTQSAKSKDNEKRDMVILGFVTAAGITLGMDLYK 1132

RESULT 8
 US-09-920-922-2
 ; Sequence 2, Application US/09887784
 ; Patent No. US20083488A1
 ; GENERAL INFORMATION
 ; APPLICANT: Miyawaki, Atsushi
 ; TITLE OF INVENTION: METHOD FOR MUTAGENESIS
 ; FILE REFERENCE: 11283-012001
 ; CURRENT APPLICATION NUMBER: US/09/920,922
 ; CURRENT FILING DATE: 2001-08-02
 ; PRIOR APPLICATION NUMBER: JP 2000-237166
 ; PRIOR FILING DATE: 2000-08-04
 ; NUMBER OF SEQ ID NOS: 9
 ; SOFTWARE: FastSEQ for Windows Version 4.0
 ; SEQ ID NO: 2
 ; LENGTH: 239
 ; ORGANISM: Aequorea victoria
 US-09-920-922-2

Query Match 100.0%; Score 1267; DB 14; Length 1132;
 Best Local Similarity 99.2%; Pred. No. 1.6e-11;
 Matches 236; Conservative 2; Mismatches 1; Indels 1; Gaps 0;

Qy 1 MYSKGEELFTGTVVPIVLDGVNGHKSVSSEGEGLDGTGKLPVPPWT 60
 Db 894 MYSKGEELFTGTVVPIVLDGVNGHKSVSSEGEGLDGTGKLPVPPWT 60
 Qy 61 LVTXLSTVQCSRPDMKQHDFKSFAMPEGVQERTIFFKDGNYKTRAEVKFEGDTL 120
 Qy 61 DHYQNTPIGDGVLLPDNHYLSTQSAKSKDNEKRDMVILGFVTAAGITLGMDLYK 239
 Db 954 LVTXLSTVQCSRPDMKQHDFKSFAMPEGVQERTIFFKDGNYKTRAEVKFEGDTL 1013
 Qy 121 VNRIELKGIDPKEDGNILGHKLEYNTNSHNYTMADKQNGIKVUNPKIRHNIEDGSVOLA 180
 Db 1014 VNRIELKGIDPKEDGNILGHKLEYNTNSHNYTMADKQNGIKVUNPKIRHNIEDGSVOLA 1073
 Qy 181 DHYQNTPIGDGVLLPDNHYLSTQSAKSKDNEKRDMVILGFVTAAGITLGMDLYK 239
 Db 1074 DHYQNTPIGDGVLLPDNHYLSTQSAKSKDNEKRDMVILGFVTAAGITLGMDLYK 1132

RESULT 7
 US-10-296-953-2
 ; Sequence 2, Application US/10296953

GENERAL INFORMATION
 APPLICANT: REGENTS OF THE UNIVERSITY OF CALIFORNIA

APPLICANT: TSIEN, Roger

APPLICANT: ZACHARIAS, David

APPLICANT: BAIRD, Geoffrey

TITLE OF INVENTION: NON-OLIGOMERIZING FLUORESCENT PROTEINS

FILE REFERENCE: REGEN1530

CURRENT APPLICATION NUMBER: US/09/794,308

CURRENT FILING DATE: 2001-02-26

NUMBER OF SEQ ID NOS: 25

SOFTWARE: PatentIn version 3.0

SEQ ID NO 4

LENGTH: 239

TYPE: PRT

ORGANISM: Aequorea victoria

US-09-794-308-4

Query Match 99.1%; Score 1256; DB 10; Length 239;

Best Local Similarity 98.3%; Pred. No. 3e-111; Matches 235; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

Db 1 MVSKGEBELFTGTVPLVLDGVNGHFKPSVSGEGEDATYKLTIFCITGKLKVPPWPT 60

Db 1 MVSKGEBELFTGTVPLVLDGVNGHFKPSVSGEGEDATYKLTIFCITGKLKVPPWPT 60

Qy 61 LYTIXSYGVQCFPSRYPDHMKQHDFEKSAMPQGYQERTIFFKDDGNYKTRAEVKEFDTL 120

Db 61 LYTIXSYGVQCFPSRYPDHMKQHDFEKSAMPQGYQERTIFFKDDGNYKTRAEVKEFDTL 120

Qy 121 VNRIELKGIDFKEDGNILGHKLEYNTNSHNYIMADKQKNGIKVNFKIRINIEDGSVOLA 180

Db 121 VNRIELKGIDFKEDGNILGHKLEYNTNSHNYIMADKQKNGIKVNFKIRINIEDGSVOLA 180

Qy 181 DHYQONTPIGDGPVLLPDNHYLSTOSALSKDNEKDHMVLXGFVTAAGITLGMDLYK 239

Db 181 DHYQONTPIGDGPVLLPDNHYLSTOSALSKDNEKDHMVLXGFVTAAGITLGMDLYK 239

RESULT 13 US-09-865-291-4

Sequence 4, Application US/09865291

Publication No. US20030186229A1

GENERAL INFORMATION:

APPLICANT: REGENTS OF THE UNIVERSITY OF CALIFORNIA

APPLICANT: TSIEN, Roger

APPLICANT: TING, Alice

APPLICANT: ZHANG, Jin

TITLE OF INVENTION: EMISSION RADIOMETRIC INDICATORS OF PHOSPHORYLATION

FILE REFERENCE: REGEN1550

CURRENT APPLICATION NUMBER: US/09/865,291

CURRENT FILING DATE: 2001-05-24

NUMBER OF SEQ ID NOS: 42

SOFTWARE: PatentIn version 3.0

SEQ ID NO 4

LENGTH: 239

TYPE: PRT

ORGANISM: Aequorea victoria

US-09-865-291-4

Query Match 99.1%; Score 1256; DB 10; Length 239;

Best Local Similarity 98.3%; Pred. No. 3e-111; Matches 235; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

Db 1 MVSKGEBELFTGTVPLVLDGVNGHFKPSVSGEGEDATYKLTIFCITGKLKVPPWPT 60

Db 1 MVSKGEBELFTGTVPLVLDGVNGHFKPSVSGEGEDATYKLTIFCITGKLKVPPWPT 60

Qy 61 LYTIXSYGVQCFPSRYPDHMKQHDFEKSAMPQGYQERTIFFKDDGNYKTRAEVKEFDTL 120

Db 61 LYTIXSYGVQCFPSRYPDHMKQHDFEKSAMPQGYQERTIFFKDDGNYKTRAEVKEFDTL 120

RESULT 14 US-10-121-258-13

Sequence 13, Application US/10121258

Publication No. US2003059835A1

GENERAL INFORMATION:

APPLICANT: Tsien, Roger

APPLICANT: Campbell, Robert

TITLE OF INVENTION: MONOMERIC AND DIMERIC FLUORESCENT

FILE REFERENCE: UC083-1CP2CP1

CURRENT APPLICATION NUMBER: US/10/121,258

CURRENT FILING DATE: 2002-04-10

PRIOR APPLICATION NUMBER: 09/794,308

PRIOR FILING DATE: 2001-02-26

PRIOR APPLICATION NUMBER: 09/866,538

PRIOR FILING DATE: 2001-05-24

NUMBER OF SEQ ID NOS: 78

SOFTWARE: FastSEQ for Windows Version 4.0

SEQ ID NO 13

LENGTH: 239

TYPE: PRT

ORGANISM: Artificial Sequence

FEATURE:

OTHER INFORMATION: Enhanced Green Fluorescent Protein (EGFP)

US-10-121-258-13

Query Match 99.1%; Score 1256; DB 14; Length 239;

Best Local Similarity 98.3%; Pred. No. 3e-111; Matches 235; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

Qy 1 MVSKGEBELFTGTVPLVLDGVNGHFKPSVSGEGEDATYKLTIFCITGKLKVPPWPT 60

Db 1 MVSKGEBELFTGTVPLVLDGVNGHFKPSVSGEGEDATYKLTIFCITGKLKVPPWPT 60

Qy 61 LYTIXSYGVQCFPSRYPDHMKQHDFEKSAMPQGYQERTIFFKDDGNYKTRAEVKEFDTL 120

Db 61 LYTIXSYGVQCFPSRYPDHMKQHDFEKSAMPQGYQERTIFFKDDGNYKTRAEVKEFDTL 120

RESULT 15 US-10-221-461-7

Sequence 7, Application US/10221461

Publication No. US20030092302A1

GENERAL INFORMATION:

APPLICANT: Marsh, Donald J.

APPLICANT: MELANIN CONCENTRATING HORMONE RECEPTOR

TITLE OF INVENTION: MELANIN CONCENTRATING HORMONE RECEPTOR

FILE REFERENCE: 20652P

CURRENT APPLICATION NUMBER: 09/221,461

CURRENT FILING DATE: 2002-09-12

PRIOR APPLICATION NUMBER: PCT/US01/08071

PRIOR FILING DATE: 2001-01-14

PRIOR APPLICATION NUMBER: 60/189,698

PRIOR FILING DATE: 2000-05-15

NUMBER OF SEQ ID NOS: 37

SOFTWARE: FastSEQ for Windows Version 4.0

SEQ ID NO 7

LENGTH: 239

;	TYPE: FRT
;	ORGANISM: Artificial sequence
;	FEATURE:
;	OTHER INFORMATION: GFP derivative
US-10-221-461-7	
Query Match	99.1%; Score 1256; DB 14; Length 239;
Best Local Similarity	98.3%; Pred. No. 3e-11;
Matches	235; Conservative 3; Mismatches 1; Indels 0; caps 0;
Qy	1 MVSKGEBELFTGVPIVILYELDGVNGHFKVSSEGDAATYGLTLKPICTGKLPPWPWT 60
Db	1 MVSKGEBELFTGVPIVILYELDGVNGHFKVSSEGDAATYGLTLKPICTGKLPPWPWT 60
Qy	61 LYTXLISYGVOCSRYPDHMKQHDFPKSAMPEGYVQERTIFFKDDGNYKTRAEVKFEGDTL 120
Db	61 LYTXLISYGVOCSRYPDHMKQHDFPKSAMPEGYVQERTIFFKDDGNYKTRAEVKFEGDTL 120
Qy	61 LYTTLTYGVOCSRYPDHMKQHDFPKSAMPEGYVQERTIFFKDDGNYKTRAEVKFEGDTL 120
Db	61 LYTTLTYGVOCSRYPDHMKQHDFPKSAMPEGYVQERTIFFKDDGNYKTRAEVKFEGDTL 120
Qy	1.21 VNRIELKGIDFKEGDNLIGHKLEYNNNSHNTYIMADQKNGIKVNFKIRHNEDGSGYQLA 180
Db	1.21 VNRIELKGIDFKEGDNLIGHKLEYNNNSHNTYIMADQKNGIKVNFKIRHNEDGSGYQLA 180
Qy	1.21 VNRIELKGIDFKEGDNLIGHKLEYNNNSHNTYIMADQKNGIKVNFKIRHNEDGSGYQLA 180
Db	1.21 VNRIELKGIDFKEGDNLIGHKLEYNNNSHNTYIMADQKNGIKVNFKIRHNEDGSGYQLA 180
Qy	181 DHYQONTPIGDGPVLIPDNHYLSTQSAISKDPNERKDHMVLXGFVTAIGITLGMDLYK 239
Db	181 DHYQONTPIGDGPVLIPDNHYLSTQSAISKDPNERKDHMVLXGFVTAIGITLGMDLYK 239

Search completed: November 2, 2004, 13:21:36
Job time : 131 secs